



OPERATOR'S MANUAL

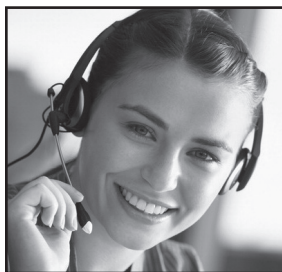
10" Sliding Compound Miter Saw Model # 70711



IMPORTANT

Your new tool has been engineered and manufactured to WEN's® high standards for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your tool properly and only for what it is intended, you will enjoy years of safe, reliable service.



**Product questions or need technical support?
Please feel free to contact us!**

WenProducts.com

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Table Of Contents

SECTION	PAGE
SPECIFICATIONS	3
RULES FOR SAFE OPERATION.....	4
GENERAL INSTRUCTIONS FOR ALL POWER TOOLS.....	5
EXTENSION CORDS.....	8
GROUNDING INSTRUCTIONS.....	9
UNPACKING	9
SPECIFIC SAFETY RULES FOR MITER SAW.....	10
COMPONENTS OF THE MITER SAW	15
ASSEMBLY.....	15
Attaching the extension supports and miter lock handle	15
Attaching the dust collection bag	15
Mounting the saw	16
OPERATION INSTRUCTIONS.....	16
Work piece and work area set up.....	16
General operating instructions	16
Using the work piece extension supports.....	17
Adjusting the miter angle	17
Adjusting the bevel angle	17
Using the depth stop.....	18
Making a cut.....	18
MAINTENANCE AND SERVICING	19
Cleaning, maintenance, and lubrication	19
Replacing the blade	19
Adjusting the fence.....	20
Adjusting the miter table indicator	21
Adjusting the bevel angle	21
Adjusting or replacing the kerf board	21
Cleaning and lubricating the miter saw.....	21
TROUBLESHOOTING	24
PARTS LIST	26
ASSEMBLY DIAGRAM.....	27
WARRANTY.....	28

10" Sliding Miter Saw Specifications

SPECIFICATIONS

Model Number	70711
Rating	120V AC ~ 60Hz
Input	15 Amps
Speed	5300 RPM
Arbor Diameter	5/8"
Blade Type	60 Tooth Carbide Tipped General Purpose
Blade Diameter	10"
Positive Table Stops	0°, 15°, 22.5°, 30° and 45° Right and Left
Positive Bevel Stops	0° and 45° Left only
Blade Tilt Range	0° - 45° Right and Left Miter 0° - 45° left
Scale	1° per scale mark
Weight	36 Lbs
CUTTING CAPACITIES	
0° Miter / 0° Bevel	2-3/4 Inch x 12 Inch
45° Miter / 0° Bevel	2-3/4 Inch x 8-1/4 Inch
0° Miter / 45° Bevel	1-9/16 Inch x 12 Inch
45° Miter / 45° Bevel	1-9/16 Inch x 8-1/4 Inch

Package Contents: Sliding Compound Sliding Miter Saw, Carbide Tipped Blade, 2 pc Table Extensions, Dust Collection Bag, 1-Miter Lock Handle, 1 Hold Down Clamp, Instruction Manual and Wrench.

Rules For Safe Operation

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL MEANING



Safety Alert Symbol:

Indicated danger, warning, or caution, may be used in conjunction with other symbols or pictographs. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

NOTE: Advising you of information or instructions is vital to the operation or maintenance of the equipment

IMPORTANT

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service, we suggest you return the tool to WEN PRODUCTS a division of Great Lakes Technologies, LLC. for repair. When servicing, use only identical WEN® replacement parts.



WARNING - Do not attempt to operate this tool until you have read thoroughly and understand completely all instructions, safety rules, etc...contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury. Save this operator's manual and review frequently for continuing safe operation and instructing others who may use this tool.

Safe operation of this power tool requires that you read and understand this operator's manual and all labels affixed to the tool. Safety is a combination of common sense, staying alert, and knowing how your tool works.

General Instructions for all Power Tools

READ ALL INSTRUCTIONS!!!

- Know your power tool. Read the operator's manual carefully. Learn the application and limitations as well as specific potential hazards related to this tool.
- Keep guards in place and in working order. Never operate the tool with any guard or cover removed. Make sure all guards are operating properly before each use.
- Remove adjusting keys & wrenches. Form a habit of checking to see keys and adjusting wrenches are removed from tool before turning it on.
- Keep work area clean. Cluttered work areas and work benches invite accidents.
- Do not use in dangerous environments. Do not use power tools near gasoline or other flammable liquids, in damp or wet locations or expose them to rain. Keep work area well lighted.
- Keep children and visitors away. All visitors should wear ANSI-Z87.1 approved safety glasses and be kept a safe distance from work area.
- Make workshop childproof with padlocks, master switches, or by removing starter keys.
- Don't force the tool. It will do the job better and safer at the rate for which it was designed.
- Use the right tool. Do not force the tool or attachment to do a job for which it was not designed.
- Wear proper apparel. Do not wear loose clothing, neckties, or jewelry that can get caught in the tool's moving parts and cause personal injury. Non-slip footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Always wear ANSI-Z87.1 approved safety glasses with side shields. Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.
- Secure work. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- Disconnect all tools. When not in use, before servicing, or when changing attachments, blades, bits, cutters, etc..., all tools should be disconnected from power source.
- Reduce the risk of unintentional starting. Be sure switch is off when plugging in.

- Use recommended accessories. Consult the operator's manual for recommended accessories. The use of improper accessories may cause risk of injury.
- Never stand on tool. Serious injury could occur if the tool is tipped or if the blade is unintentionally contacted.
- Direction of feed. Feed work into a blade or cutter against the direction or rotation of the blade or cutter only.
- Never leave tool running unattended. Turn power off. Don't leave tool until it comes to a complete stop.
- Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding or moving parts, breakage of parts, mounting and any other condition that may affect its operation. A guard or other part that is damaged must be properly repaired or replaced by an authorized service center to avoid risk of personal injury.
- Protect your hearing. Wear hearing protection during extended periods of operation.
- Keep tools dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean tool.
- PROTECT YOUR LUNGS. Wear a face or dust mask if the operation is dusty.



WARNING - Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

- Guard against electrical shock by preventing body contacting with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
- Inspect tool cords and extension cords periodically and, if damaged, have repaired by a qualified service technician. Stay constantly aware of cord location and keep it away from the rotating wheel.

- Never use in an explosive atmosphere. Normal sparking of the motor could ignite fumes.
- Use only outdoor extension cords with approved ground connection that are intended for use outdoors and so marked.
- Avoid awkward operations and hand positions where a sudden slip could cause your hand to move into the blade. ALWAYS make sure you have good balance.
- Allow the motor to come up to full speed before starting a cut to avoid binding or stalling
- Do not use tool if switch does not turn it on and off. Have defective switches replaced by an authorized service center.
- Replacement parts. All repairs, whether electrical or mechanical, should be made by a qualified service technician at an authorized service center.



WARNING - when servicing use only identical WEN® replacement parts. Use of any other part may create a hazard or cause product damage.

- Keep hands away from cutting area. Do not hand hold pieces so small that your fingers go under the blade guard. Do not reach underneath work or in blade cutting path with your hands and fingers for any reason.
- Before making a cut, be sure all adjustments are secure.
- Always support large work pieces while cutting to minimize risk of blade pinching and kickback. Saw may slip, walk or slide while cutting large or heavy boards.
- Do not remove jammed cutoff pieces until blade has stopped.
- Never start the tool when the blade is in contact with the work piece.
- Never touch blade or other moving parts during use.
- Before changing the setup, removing covers, guards or blades, unplug the saw and remove the switch key.
- Always turn off saw before disconnecting it to avoid accidental starting when reconnecting to a power source.



WARNING - DO NOT OPERATE THIS TOOL WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR ANY MEDICATION THAT MAY IMPAIR YOUR JUDGMENT OR CONTROL!

- Stay alert and exercise control. Watch what you are doing and use common sense. DO NOT operate tool when you are tired. DO NOT RUSH!
- Make sure work area has ample lighting to see the work and that no obstructions will interfere with safe operation BEFORE performing any work by using your saw.
- Save these instructions. Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.
- Use the proper extension cord. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A wire gauge size (A.W.G.) of at least 16 is recommended for an extension cord 25 feet or less in length. If in doubt, use the next heavier gauge. The smaller the gauge number is, the heavier the cord is.
- Don't abuse cord. Never carry tool by the cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

EXTENSION CORDS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current and reduces the risk of electrical shock. Tools equipped with an electrical cord having an equipment-grounding conductor must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided in any way. If the plug does not fit the outlet, have the proper outlet installed by a qualified electrician.

The use of any extension cord will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burned-out; use the table below to determine the minimum wire size (A.W.G.) of extension cord.

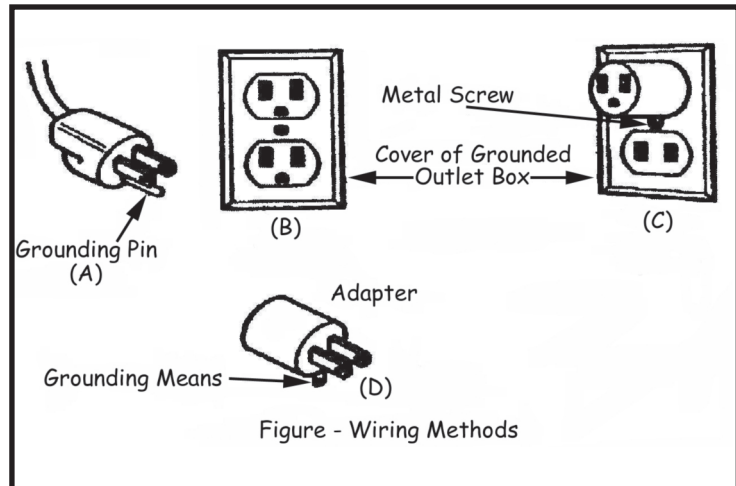
Use only three (3) wire extension cords that have three (3) prong grounding plugs, and three (3) pole receptacles that accept the tool's plug.

AMERICAN WIRE GAUGE RATING CHART

EXTENSION CORD	25	50	75	100	125	150	175	200
LENGTH (FEET)								
AMPS	AWG							
0 to 10.0	18	18	16	16	14	14	12	12
10.1 to 13.0	16	16	14	14	14	12	12	12
13.1 to 15	14	12	12	12	12	12	12	--
15 to 18	14	12	12	12	12	12	--	--

GROUNDING INSTRUCTIONS

Tool with three (3) wire grounding plugs (A-in illustration on page 10) is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch (B). An adapter (D) may be used to connect this plug to a two (2) pole outlet (C) if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear or wire extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.



UNPACKING



WARNING - to prevent accidental starting that could cause possible serious personal injury, assemble all parts to your saw before connecting it to power supply. Saw should never be connected to power supply when you are assembling parts, making adjustments, installing or removing blades, or when not in use.



WARNING - if any parts are missing, do not operate this tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

- Do not discard the packing materials until you have carefully inspected the saw, identified all parts, and satisfactorily operated your new saw

NOTE: if any parts are damaged or missing, do not attempt to plug in the power cord and turn the switch on until the damaged or missing parts are obtained and are installed correctly.

Specific Safety Instructions for the 10" Miter Saw



WARNING - Do not operate your saw until it is assembled, and you have read and understand the following instructions and the warning labels on the saw.

Before Operating Your Miter Saw

Check for proper assembly and proper alignment of moving parts.

Understand the function and proper use of:

- Trigger switch/start button
- Lower blade guard
- Miter locks
- Bevel lock knob
- Handle latch
- Arbor lock

Read, understand and follow all operating instructions and safety warnings in this manual.

Read and understand warning labels on the miter saw.

Know the condition of your miter saw. If any part is missing, bent or does not operate properly, replace the component before you continue to use your saw.

Determine the type of work you are going to be doing before you operate your saw. Properly protect your body including your eyes, hands, face and ears.

Only wear safety goggles that apply with ANSI Z87.1



- When operating power tools, foreign objects can be thrown into your eyes. This could result in permanent eye damage. Glasses or goggles that are not in compliance with ANSI Z87.1 could break resulting in severe eye injury. Wear a face or dust mask when working in a dusty environment.

- Use ear protection, plugs or muffs, during extended periods of operation.
- Wear a face mask or dust mask when the sawing operation produces dust.

To avoid injury from jams, slips or thrown pieces

- Use the correct 10-inch blade for the material and type of cut. Do not cut materials that may shatter, grab the blade or cause other danger.
- The arrow on the blade must correspond with the cast-in arrow on the upper blade housing. When you are facing the front of the saw, teeth on the blade should point downward.
- Only use a blade that is sharp and in good condition. Check alignment of the blade after it is installed. Unplug the saw and carefully spin the blade using your hand. The blade should not contact any components of the saw. If so, correct the problem before operating the saw.
- Be sure the blade and blade flanges are clean.

- Make sure the blade flanges are properly installed.
- Be sure the arbor bolt and washer are properly installed and tightened.
- Ensure all clamps and locks are tight. Verify there is no excessive play in any parts.
- Allow the blade to reach full speed before cutting.

Do not cut freehand

- The workpiece should be tight against the fence. Verify the workpiece will not rock or twist when it's being cut. The area between the workpiece and the saw must be free from debris.
- Make sure there is no gap between the workpiece, fence and base of the saw. A gap could allow the workpiece to move when it's being cut.
- Use clamps, fixtures or other devices to hold an unstable workpiece.

Do not cut more than one workpiece at a time

- Allow room so the cut-off workpiece can move after it's cut. It could create a hazard by becoming wedged against the blade.

Be very careful when cutting odd shaped, extremely large or very small workpieces

- Plan your work so an odd shaped workpiece cannot slip or pinch the blade. When cutting material like molding, it must lie flat or be held by a fixture. Do not allow the material to rock, twist or slip.
- Secure sagging workpieces with sawhorses, tables or other additional supports.
- Do not cut small workpieces that you must hold closer than 4 inches (102 mm) from the blade.
- Properly support round material when cutting. Dowel rods and tubing have a tendency to roll while being cut. This could allow the blade to "bite" into the material causing a hazardous condition. Hold round material in place using clamps or other fixtures.
- Inspect the workpiece for nails or other foreign objects before it is cut.
- Do not allow anyone to stand behind the saw or close to the workpiece where debris can be thrown.
- Operate your saw in a clear, safe environment.

To avoid contact with a rotating blade

- Do not wear gloves.
- Do not wear loose clothing or jewelry.
- Tie back long hair.
- Roll long sleeves above the elbow.

To avoid injury from accidental starting of saw

- Unplug the power cord from the electrical outlet.
- Disconnect the lower blade guard.

- Install or remove the blade.
- Perform maintenance or make adjustments.

To avoid injury from electrical shock

- Do not touch the metal blades on the power cord plug when removing or installing the plug into an electrical outlet.

To avoid injury from a fire hazard

- Do not operate the saw near flammable liquids, vapors or gases.

When Operating Your Miter Saw

To avoid injury from unexpected saw movement

- Use the saw on a firm level surface with adequate space for handling and supporting the workpiece.
- Be sure the saw cannot move when operated. Secure the saw to a workbench or table with wood screws, or bolts, washers and nuts.

Before moving the saw

- Unplug the power cord from the electrical outlet.
- Lock the handle in the down position using the handle latch.

To avoid back injury

- Obtain help when it is necessary to raise the saw more than 10 inches (254 mm).
- Bend your knees when lifting the saw.
- Carry your saw by the carrying handle or base. Do not carry your saw by the power cord or the trigger handle. Carrying the saw by the power cord could cause damage to the insulation or the wire connections resulting in electric shock or fire.

Whenever Your Miter Saw is Running



WARNING

- Do not make a careless error. Just because you operate the saw frequently, a neglectful moment can cause a severe injury.
- Do not lubricate the blade while it is spinning.

Prior to cutting a workpiece

- Test the operation of your saw. If you feel excessive vibration or hear an unusual noise, immediately stop operating the saw. Correct the problem before continued use.

Allow movement of the waste portion of the workpiece

- Do not hold it, clamp it, touch it or use a length stop against it. The cut-off waste portion must be free to move. It could become wedged against the blade causing a hazard.

Avoid awkward hand position

- It is important to position your hand no closer than 4 inches from the blade.
- Do not cross your arms in front of the blade while operating the saw.

Do not force the blade through the workpiece

- Lower the blade through the workpiece fast enough to allow the blade to cut without binding or bogging down.

Before removing obstructed material

- Release the trigger switch/start button, wait for the blade to stop moving and unplug the power cord from the electrical outlet.

After completing a cut

- Keep the handle in the down position. Release the trigger switch/start button and wait for the blade to stop moving.

Motor Safety Protection

Before connecting the power cord to electrical outlet

- Verify the voltage supplied to the saw and the saw's required voltage is the same. If the supplied voltage is greater than the required voltage, serious personal injury could result. If the supplied voltage is lower than required voltage, damage to the motor could result.
- Use proper circuit protection. Connect your saw to a branch circuit that uses a 15-amp time delay fuse or circuit breaker. Using the wrong size fuse could damage the motor.
- Replace a worn, cut or damaged power cord.

ELECTRICAL REQUIREMENTS



WARNING

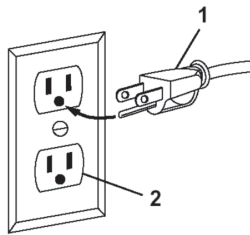
- Use only manufacturer's recommended replacement parts, or equivalent, when servicing this tool.
- Do not touch the metal blades on the power cord plug when removing or installing the plug into an electrical outlet.
- To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection.

Your miter saw is wired at the factory for 120V operation. Connect to a 120V, 15 AMP time delay fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

Use a separate electrical circuit for your tools.

This circuit must not be less than a #12 wire and should be protected with a 15 Amp time delay fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.



This tool is intended for use on a circuit that has a receptacle like the one illustrated: a 3-prong electrical plug (1) and receptacle (2) that has a grounding conductor. If a properly grounded receptacle is not available, have a certified electrician check the receptacle.



WARNING - This miter saw is for indoor use only. Do not expose to rain or use in damp location. This tool must be grounded while in use to protect the operator from electrical shock.

This tool has an equipped grounding conductor and a grounding plug. The plug must be used with a matching electrical outlet that is properly installed in accordance with all local codes and ordinances.

Do not modify the power cord plug. If it does not match the electrical outlet, have the proper outlet installed by a qualified electrician.

Double Insulated

The miter saw is double insulated to provide a double thickness of insulation between you and the tool's electrical system. All exposed metal parts are isolated from the internal metal motor components with protecting insulation.

Replacement parts

When servicing use only identical replacement parts.



WARNING - Double insulation does not take the place of normal safety precautions when operating this tool. This tool is intended for indoor use only.

Components of a Miter Saw

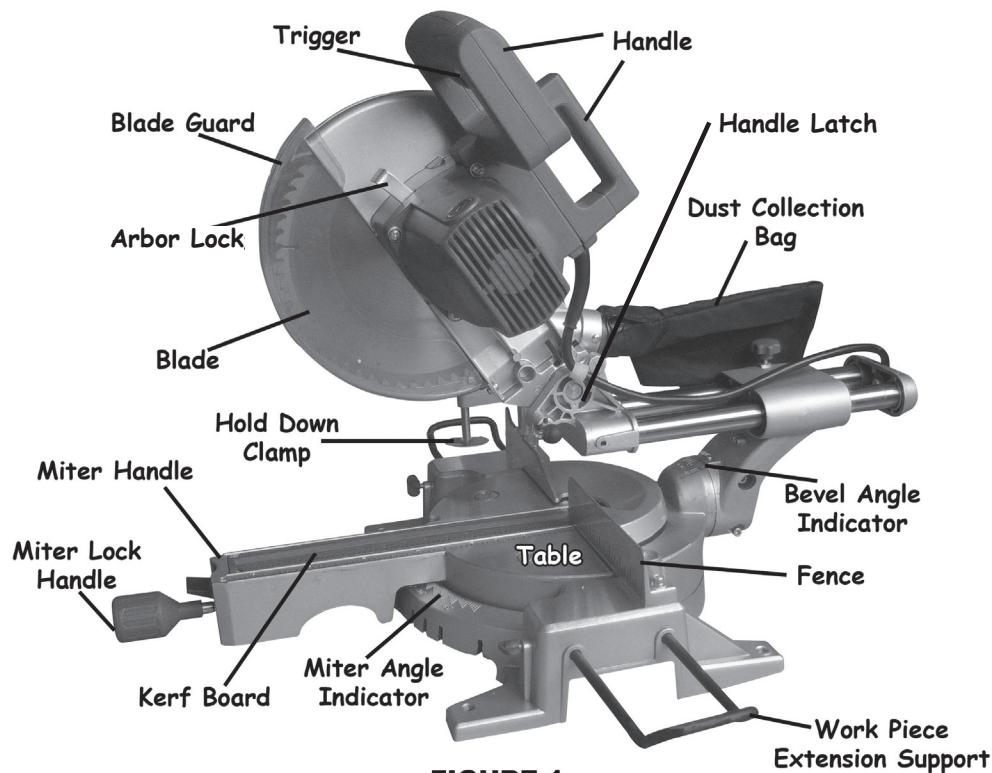


FIGURE 1

ASSEMBLY

Attaching the Extension Supports and Miter Lock Handle

1. Insert the ends of the Extension

Supports into the holes in the sides of the Base. Tighten the Wing Screws to hold the Extensions in place. The upper edge of the Extensions will be level with the surface of the saw. This provides a wider base for the work material to rest on.

2. Thread the Miter Lock Handle into the opening of the miter handle until securely in place.

Attaching the Dust Collection Bag

3. The Dust Collection Bag slips over the Dust Outlet behind the Blade Housing Assembly. Sawdust created by cutting is captured in the bag.

MOUNTING THE SAW

The Miter Saw must be mounted on a support before use. This may be a commercially available support or home made saw table. There are bolt holes provided in each of the four legs of the base. These should be firmly mounted using bolts (not included) to your saw stand or saw table (not included). This will help prevent tipping or movement of the saw, preventing injury. Also, the use of a saw table will make it easier to efficiently handle work materials and make more accurate cuts

Operating Instructions

WORK PIECE AND WORK AREA SET UP

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent injury and distraction.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Use a saw table, saw stand or other means to support the work piece. The Miter Saw must be mounted in such a way that the surface is level to the ground, and supports used must provide a surface on the same level as the saw table. If the work surface and any work materials supports are not level, and on the same level, unwanted bevel angles will appear in the cuts resulting in poor joinery.
4. Work pieces may be secured to the saw table using the Hold Down Clamp or other clamping devices (not included). Securing the work piece will provide safety by preventing kick back and by removing the need to hold work pieces near the blade by hand. Clamping the work piece will also improve cutting accuracy by preventing the work piece from moving during the cutting operation.
5. When using this saw, work pieces are often quite long. Allow room on both left and right of saw for extended work pieces.

GENERAL OPERATING INSTRUCTIONS

1. When the Handle is lowered, the Blade Guard raises automatically. When the Handle is raised the Blade Guard returns to its safety position. Keep hands clear of the Blade when the Handle is lowered. Never interfere with the proper movement of the Blade Guard.
2. There are locking mechanisms for the miter angle and the Slides. Unlock the Table to set the miter angle, then re-lock it before making the cut. Unlock the Slide using the Slide Lock Wing Screw before making a cut if the work material is too wide to “chop”.
3. To rotate the Table, press down the Miter Thumb Lever, rotate the Table to the desired angle, then release the Miter Lock Lever. Notches are machined into the Base of the tool which will lock the Table into several often used miter angles. These angles are 0° (centered), 15°, 22.5°, 30° and 45° both left and right cut.
4. On wider pieces, you will have to slide the blade while making the cut. To unlock the Slide, loosen the Slide Lock Wing Screw at the back of the saw.
5. To make a bevel cut, release the Bevel Lock Lever, rotate the blade assembly to the desired bevel angle, then lock the blade assembly in place using the Bevel Lock Lever. Making bevel cuts is discussed in more detail later in this manual.
6. This saw is provided with a Kerf Board. The Kerf Board helps to prevent tear-out on the bottom side of the work material. The Kerf Board is factory adjusted prior to shipment of this tool so the

blade does not contact the Kerf Board during normal operation, including bevel cuts. Adjustment of the Kerf Board and techniques to prevent tear-out are discussed later in this manual.

7. Before starting work, check the accuracy of the Guide Fence, miter angle and bevel angle. Instructions for checking and adjusting these angles are discussed later in this manual.
8. It is very important that the work material be properly supported before making a cut. The material must be level on the Table. The material must be supported on both ends. Using the Work Piece Extension Supports is discussed in the next section.

USING THE WORK PIECE EXTENSION SUPPORTS

1. The Work Piece Extension Supports are inserted into each side of the table, and locked in place using the wing screws.
2. When properly installed, the upper face of the work piece extension supports are level with the Table, and provide a wider support surface for the work piece.
3. Always support the work piece to be level with the table, and so that after the cut is made the cut off pieces will not fall. You may need to use saw horses or other supports (not included) to support the work piece.
4. If the work piece is not level, you will make an unintentional bevel cut in the material. If the work piece is not supported, it will bind the blade and may cause the material to kick back, potentially causing injury.

ADJUSTING THE MITER ANGLE

1. A miter cut is one that is at an angle across the horizontal surface of the material. You will commonly make 45° miter cuts to join two pieces in a right angle corner. A 30° cut is often used for a scarf joint or to make a chamfered end.
2. To make a miter cut, loosen the Miter Lock Knob by turning it approximately 1/4 turn counterclockwise. Press down the Thumb Lever to unlock the Table. While holding the Thumb Lever down, move the Table to the desired angle. The Miter Angle Indicator will indicate the selected angle. The table will lock into place at often used miter angles, including 22.5°, 30°, 45°, and 90° on both left and right sides.
3. With the Table adjusted to the desired angle, place the work piece flush against the Fence, secure it with the Hold Down Clamp and make the cut.

ADJUSTING THE BEVEL ANGLE

1. A bevel cut is one that is at an angle to the vertical plane of the material.
2. Bevel cuts can be used to miter relatively wide and thin material. Bevel cuts can be used in combination with a miter cut to form a compound angle. Compound angle cuts are often used in crown moldings, picture frames and similar trim materials.
3. To set the bevel angle, loosen the Bevel Lock Handle at the rear of the saw. To do this, press in the Lock Button and rotate the Handle 1/2 turn counterclockwise. Move the blade assembly left to the desired angle. You can read the angle on the Bevel Angle Indicator. Lock the blade assembly into position by pressing in the Lock Button and rotating the Bevel Lock Handle clockwise. Tighten firmly but not over-tight.

4. Make a sample cut in a piece of scrap and check to be sure the bevel angle is correct. If it is not, correct the angle before cutting your work material.

USING THE DEPTH STOP

1. If you want to make a kerfing or rabbet cut which does not cut through the work piece, you can use the Depth Stop Screw to control the depth of the cut.
2. To limit blade assembly travel, turn the Depth Stop Screw clockwise. The further you screw down the Depth Stop Screw, the shallower the cut will be.
3. After the desired cut has been made, return the Depth Stop Screw to its open position by turning it counterclockwise.

MAKING A CUT

1. Observe all safety and planning items discussed in this manual. Detailed instructions on each of the following steps are discussed in this manual. Do not make any cuts until you have read this entire manual and are familiar with the operation of this tool.
2. Release the Locking Pin to allow the blade assembly to come up. Check to be sure the Table is fixed in place at the desired miter angle. Check to be sure the slide lock is released to allow the blade assembly to slide freely.
3. Blow any sawdust or debris away from the Fence. Place the work material against the Fence.
4. Make any necessary miter or bevel adjustments.
5. Align the marked location of the cut on the work material with the saw blade. Be aware that the Saw Blade will remove material from the cut equal to the width of the blade. This is the “kerf”. To prevent your work piece from being cut too short, align the edge of the blade with your measured mark, keeping the kerf on the waste side of the cut.
6. Hold the work material in place using the Hold Down Vise. Ensure that the work material is level and supported securely, using saw horses or supports if necessary.
7. Grip the Saw Handle and squeeze the Trigger to start the Blade turning.
8. Pressing down lightly, move the Blade smoothly across the work material to cut it. With narrow material, you can press straight down “chopping” the material. With wider material you must move the Blade across the material to cut it. Do not bear down on the material, use light downward pressure. If the material binds the blade, release the trigger. Keep your hands away from the Blade.
9. When the cut is completed, raise the blade assembly, wait for the Blade to stop turning, release the Hold Down Vise and remove the work material from the saw.

Maintenance and Servicing

CLEANING, MAINTENANCE, AND LUBRICATION

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. After Use clean external surfaces of the tool with clean, moist cloth. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.
3. If the blade has become dirty, use a blade cleaner (not included) to clean it. Dirty blades will bind more easily, and will more often overheat and burn the wood as it cuts. Overheated blades dull more easily.
4. If the Blade has become dull, replace it. Dull blades will cause increased tear-out and ragged edges on the cuts.
5. Occasionally clean the Slides, rotating Table components and other moving parts. Use a good quality dry lubricant (not included) which will not attract dust.
6. **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

REPLACING THE BLADE

1. Unplug the tool from its power source.
2. Lock the blade assembly in the raised position by pushing in the Locking Pin.
3. Use the supplied Wrench to remove the Center Cover Fixing Bolt holding the Center Cover in place by turning it counterclockwise. (See Figure 2.)
4. Remove the Safety Screw. (See Figure 3.)

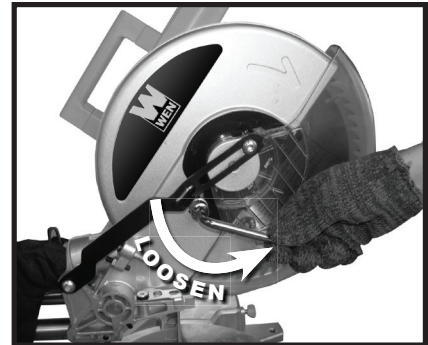


Figure 2

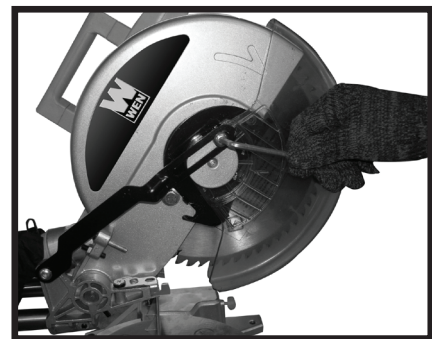


Figure 3

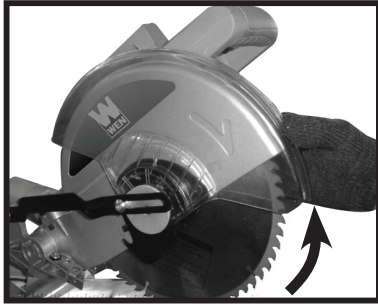


Figure 4

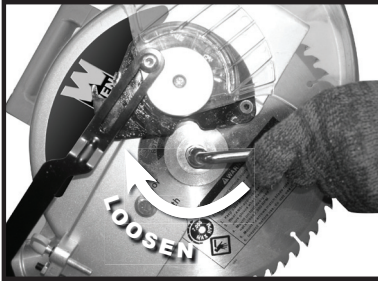


Figure 5

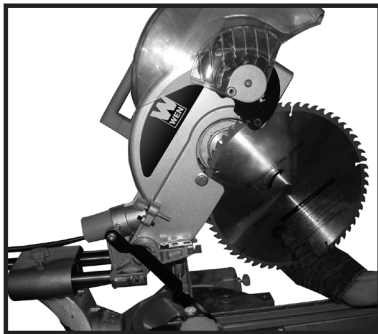


Figure 6

5. Raise the Blade Guard and Center Cover. (See Figure 4.)
6. While holding in the Arbor Lock Button, use the Wrench to loosen the Arbor Bolt by turning it clockwise. (See Figure 5.)

Note: The Arbor Bolt has a left hand thread, so it loosens by turning clockwise.

7. Remove the Arbor Bolt, Outer Flange and Saw Blade by pulling them straight off the Arbor.
8. Reinstall a new Blade on the Arbor. (See Figure 6.) Be sure to match the direction marked on the new blade with the direction marked on the saw Blade Housing.
9. Replace the Outer Flange and Arbor Bolt. Tighten the Arbor Bolt securely using the Wrench by turning it counterclockwise.
10. Rotate the Center Cover back into place and tighten the Center Cover Fixing Bolt using the Wrench by turning it clockwise.
11. Release the Locking Pin.

ADJUSTING THE FENCE

1. The Fence holds the work piece in a fixed position while the Table and or the blade assembly are adjusted in a miter or bevel angle.
2. To make accurate cuts, the Fence must be perpendicular (at a 90° angle) to the Saw Blade.
3. Before beginning work, make a test cut on scrap material with the Table set at 90°.
4. Check the cut with an accurate square. You can also reverse the two pieces, hold the cut ends together, and hold a good straight edge along the side of the pieces.
5. If either test reveals that the cut is not a true 90° angle, you must adjust the Fence before beginning work.
6. To adjust the Fence, first unplug the tool.
7. Lower the blade assembly and lock it in place using the Locking Pin.
8. Lay a reliable carpenter's square on the table with one edge along the blade and the other along the Fence. Any inaccuracy should be visible. NOTE: The square must contact the surface of the blade, not the teeth, for an accurate reading.
9. The Fence is held in place with bolts at each end. Loosen the bolts slightly, and gently tap the Fence into position using a soft mallet. Retighten the bolts and make another test cut. Repeat the process until the Fence is adjusted accurately.
10. Once the Fence is accurately adjusted, tighten the bolts firmly in place. Recheck one last time, then proceed to work.

ADJUSTING THE MITER TABLE INDICATOR

1. After you have checked or adjusted the fence to be sure it is at 90° to the Blade, you must check the accuracy of the Miter Table Angle Indicator.
2. Loosen the screw holding the Angle Indicator in place. Rotate it until the pointer is exactly on 90°. Retighten the screw.

ADJUSTING THE BEVEL ANGLE

1. For making accurate cuts, the Saw Blade must be adjusted to be exactly vertical to the Table.
2. To check the angle, have the blade assembly in its normal upright position. Make a cut on a piece of flat sided, fairly thick scrap material.
3. Check the cut with an accurate square. The cut should be at exactly 90°. You can also check by rotating one cut-off piece 180° and hold the cut ends together. If the cut is not exactly vertical, the two pieces will form a slight angle.
4. If necessary, the bevel angle can be corrected by adjusting the Bevel Adjustment Screw on the right side under the Bevel Locking Lever.
5. Once the bevel angle is adjusted, adjust the Bevel Angle Indicator to read 0° when the Saw Blade is in the vertical position. Loosen the screw holding the Indicator in place, adjust it to be exactly over the 0° mark, then retighten the screw.

ADJUSTING OR REPLACING THE KERF BOARD

1. If the Kerf Board becomes damaged it must be replaced.
2. Remove the four screws holding the Kerf Board in place.
3. Install a new Kerf Board. Replace the four screws and tighten them slightly.
4. To adjust the Kerf Board, lower the Saw Blade and lock it down with the Locking Pin. Adjust the Kerf Board so the right side of the Blade slightly clears the edge of the Kerf Board. Loosen the Bevel Lock and set the Bevel Angle at 45° left. Ensure that the left side of the Blade clears the Kerf Board. Tighten the four screws holding the Kerf Board in place.

CLEANING AND LUBRICATING THE MITER SAW

1. Observe the Dust Bag while using the saw. Empty the sawdust into an appropriate container when the bag is full.
2. Occasionally wipe or blow off sawdust that accumulates on the saw. Saw dust on the Fence can cause you to make inaccurate cuts.
3. Keep the Slides free of sawdust. Wipe or blow them off as required. Use a dry lubricant or wax on the slides. Do not use an oil or grease lubricant, as this will attract dust.
4. Occasionally lubricate the pivot point of the Table as well as other moving parts with a dry lubricant.

Troubleshooting

PROBLEM	POSSIBLE CAUSES	LIKELY SOLUTIONS
Tool will not start	<ol style="list-style-type: none"> 1. No power at outlet. 2. Cord not connected. 	<ol style="list-style-type: none"> 1. Check power at outlet. 2. Check that cord is plugged in.
Tool operates sporadically or at low power	<ol style="list-style-type: none"> 1. Low power supply or improper 2. Extension cords. 3. Worn or cracked carbon brushes. 	<ol style="list-style-type: none"> 1. Check power supply and power cords. 2. Check Carbon Brushes. Replace if damaged or worn.
Wood burns at ends when cut	<ol style="list-style-type: none"> 1. Dirty blade. 2. Material is binding. 	<ol style="list-style-type: none"> 1. Clean Blade using blade cleaner or mineral spirits. 2. Check position of work material on Table. 3. Material must be flat, flush against Fence and supported on ends.
Material frays or chips out.	<ol style="list-style-type: none"> 1. Finished side is down 2. Blade is chipped or dull. 3. Blade is inappropriate for material. 4. Material is unsupported. 	<ol style="list-style-type: none"> 1. Always have finished side of material up or facing you. 2. Bottom and back side are prone to chip out 3. Check for damaged teeth. Sharpen or replace blade. 4. Check blade manufacturer's recommendations for material being cut. For cross cutting hard wood and for precision cuts use a thin kerf blade with 60 or more teeth. 5. Use a thin piece of scrap material, such as 1/4" plywood, underneath or behind the material to support the edges of the material as it is being cut.
<i>Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.</i>		

Troubleshooting

PROBLEM	POSSIBLE CAUSES	LIKELY SOLUTIONS
Blade binds, slowing or stopping saw.	<ol style="list-style-type: none">1. Material is misaligned on the saw or ends are not supported.2. Material is wet, contaminated or inappropriate blade is being used.	<ol style="list-style-type: none">1. Material must be flat on table, flush against the fence and supported on both ends.2. Check condition of material and check compatibility of blade to material.
<i>Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.</i>		

Parts List

Part No.	Stock No.	Description	Qty
1	70711-001	Bolt M6X25	2
2	70711-002	Base	1
3	70711-003	Extension Support	2
4	70711-004	Wing Screw	2
5	70711-005	Rubber Feet	4
6	70711-006	Bolt M8X50	1
7	70711-007	Bolt M5X10	4
8	70711-008	Spring Washer	8
9	70711-009	Flat Washer	4
10	70711-010	Plate	1
11	70711-011	Rub Slice	1
12	70711-012	Pin	1
13	70711-013	Spring	1
14	70711-014	Pin 3X20	1
15	70711-015	Miter Lock Handle	1
16	70711-016	Plate	1
17	70711-017	Pin	1
18	70711-018	Pointer	1
19	70711-019	Bolt M4X12	2
20	70711-020	Bolt M4X8	9
21	70711-021	Kerf Board	1
22	70711-022	Plate	1
23	70711-023	Plate	1
24	70711-024	Bolt M8X30	1
25	70711-025	Table	1
26	70711-026	Flat Washer	1
27	70711-027	Lock Nut	1
28	70711-028	Rail Fence	1
29	70711-029	Flat Washer	8
30	70711-030	Spring Washer	8
31	70711-031	Bolt M6X30	4
32	70711-032	Wing Screw	1
33	70711-033	Hold Down Clamp	1
34	70711-034	Bolt	1
35	70711-035	Flat Washer	1
36	70711-036	Pointer	1
37	70711-037	Nut	2

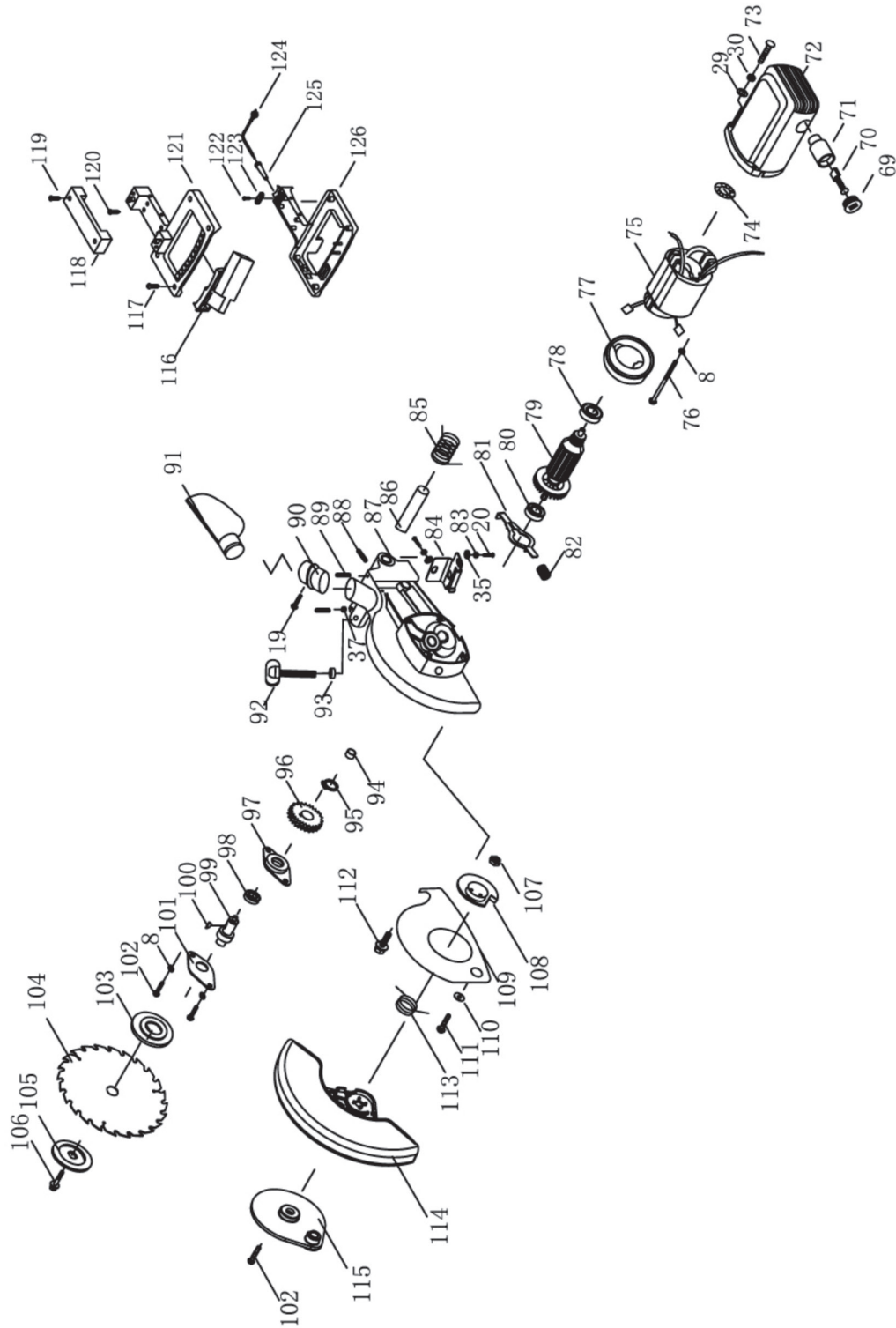
Part No.	Stock No.	Description	Qty
38	70711-038	Spring	1
39	70711-039	Bend Arm	1
40	70711-040	Flat Washer	2
41	70711-041	Lock Nut	1
42	70711-042	Washer	2
43	70711-043	Bolt	1
44	70711-044	Bevel Lock Lever	1
45	70711-045	Lock Pin Spring	1
46	70711-046	Bolt	1
47	70711-047	Bolt M5X14	2
48	70711-048	Spacer	4
49	70711-049	Oil Cover	2
50	70711-050	Bearing	2
51	70711-051	Rod	2
52	70711-052	Mount	1
53	70711-053	Line Button	2
54	70711-054	Washer	2
55	70711-055	Bolt M6X10	4
56	70711-056	Limit Plate	1
57	70711-057	Slide Lock Screw	1
58	70711-058	Handle Ball	1
59	70711-059	Lock Spring	1
60	70711-060	Lock Pin	1
61	70711-061	Spring Pin	1
62	70711-062	Cover Stand	1
63	70711-063	Screw	1
64	70711-064	Bolt	1
65	70711-065	Washer	2
66	70711-066	Lock Button	1
67	70711-067	Link Pole Bolt	2
68	70711-068	Link Pole	1
69	70711-069	Brush Cover	2
70	70711-070	Carbon Brush	4
71	70711-071	Brush House	2
72	70711-072	Motor House	1
73	70711-073	Bolt	4
74	70711-074	Brush House Spring	2
75	70711-075	Stator	1

Parts List

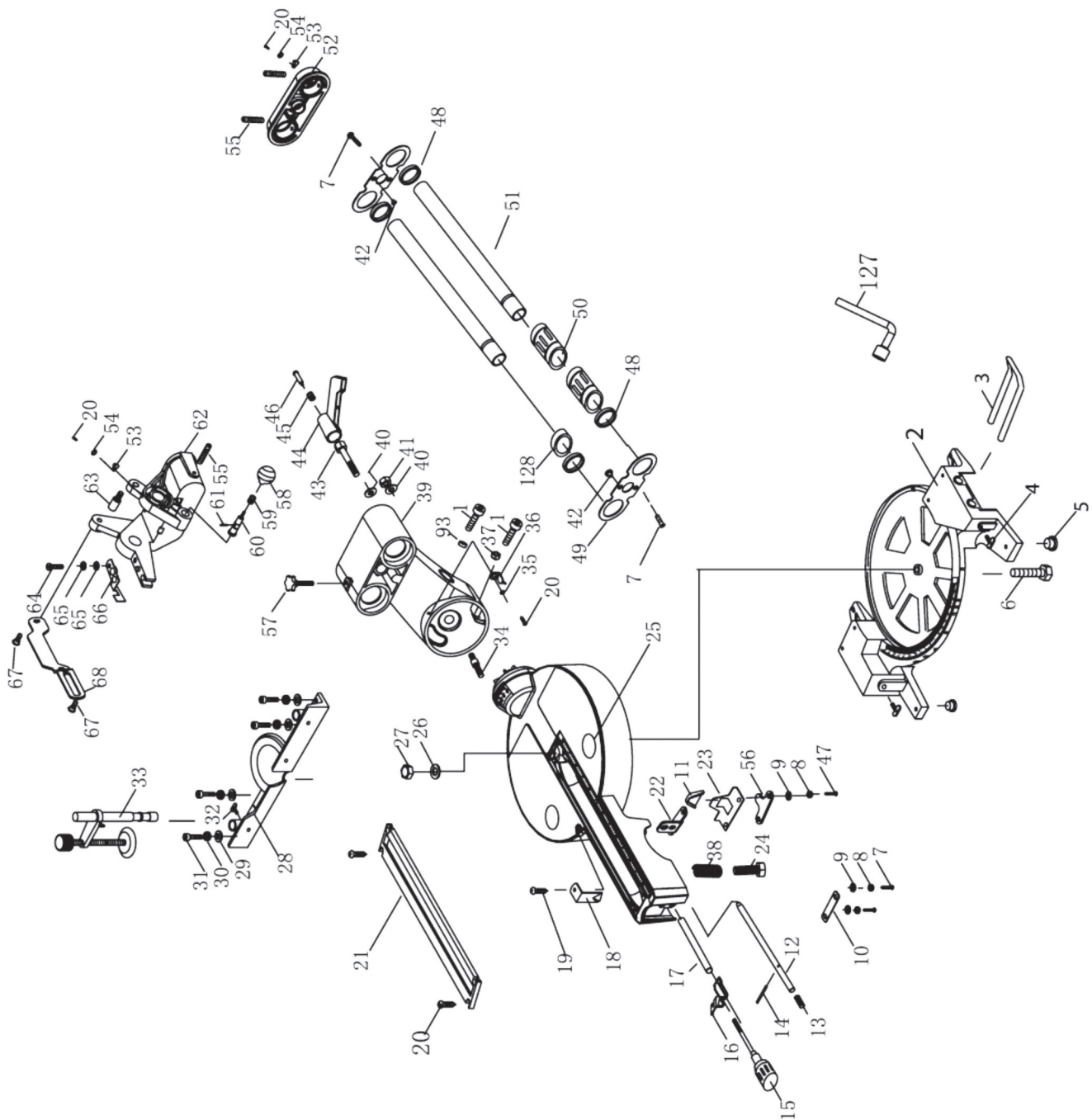
Part No.	Stock No.	Description	Qty
76	70711-076	Screw	2
77	70711-077	Block Circle	1
78	70711-078	Bearing	1
79	70711-079	Rotor	1
80	70711-080	Bearing	1
81	70711-081	Arbor Lock	1
82	70711-082	Lock Button Spring	1
83	70711-083	Spring Washer	2
84	70711-084	Block Plate	1
85	70711-085	Spring	1
86	70711-086	Pin	1
87	70711-087	Blade Housing	1
88	70711-088	Bolt M6X10	1
89	70711-089	Bolt M6X20	2
90	70711-090	Dust Pipe	1
91	70711-091	Dust Collection Bag	1
92	70711-092	Screw	1
93	70711-093	Lock Washer	2
94	70711-094	Bearing	1
95	70711-095	Spring Washer	1
96	70711-096	Gear	1
97	70711-097	Front Cover	1
98	70711-098	Bearing	1
99	70711-099	Arbor	1
100	70711-100	Key 4X13	1
101	70711-101	Bearing Cover	1
102	70711-102	Bolt	3

Part No.	Stock No.	Description	Qty
103	70711-103	Inner Flange	1
104	70711-104	Blade	1
105	70711-105	Outer Flange	1
106	70711-106	Arbor Bolt (LEFT)	1
107	70711-107	Lock Nut	1
108	70711-108	Small Cover	1
109	70711-109	Large Cover	1
110	70711-110	Washer	1
111	70711-111	Bolt	1
112	70711-112	Bolt M8X12	1
113	70711-113	Spring	1
114	70711-114	Blade Guard	1
115	70711-115	Center Cover	1
116	70711-116	Switch	1
117	70711-117	Bolt	2
118	70711-118	Handle	1
119	70711-119	Bolt	2
120	70711-120	Bolt	2
121	70711-121	Up Handle	1
122	70711-122	Bolt	2
123	70711-123	Press Plank	1
124	70711-124	Power Cord	1
125	70711-125	Cord Sleeve	1
126	70711-126	Down Handle	1
127	70711-127	Spanner	1
128	70711-128	Bearing	1

Assembly Diagram



Assembly Diagram



WARRANTY

WEN Products is committed to build tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE
GREAT LAKES TECHNOLOGIES, LLC ("Seller") warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of one year from date of purchase. Ninety days for all WEN products, if the tool is used for professional use.

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